

PERFORMANCE PARAMETERS

MODEL	HCS1000	HCS2000	HCS3000
Air condition			
Cooling capacity (kW)	Standard cooling capacity: 3.6kW, Maximum cooling capacity:4kW		
Total Power (kW)	1.7		
Operating ambient tem.&hum.	-45~50°C; 0%~90%RH		
Body Dimension (mm)	800x440x260(6u)		
Power supply	220V/50Hz		
Air flow	Upflow/Downflow		
UPS			
Input & Output Voltage system	Single phase in, Single phase out		
Capacity	3kVA/2.4kW	6kVA/4.8kW	10kVA/8kW
Input Voltage range	115~295VAC(±3VAC)	176~297VAC(±3VAC)	
Power factor	>0.98		
Output Voltage	220/230/240VAC		
Voltage Stability	±2%		
Frequency Stability	50/60Hz±0.05Hz		
Power factor	0.7/0.8(optional)		
Transfer time	0ms		
Waveform distortion	Linear load<3%, Nonlinear load<6%		
Control panel	LCD display screen, Voltage input/output, frequency, battery voltage, load rate.etc		
Communication interface	RS232,SNMP card (optional),USB ports(optional)		
D*W*H (mm)	482x600x130	482x600x130	482x600x177
Net weight (Kg)	12.5	18.5	34
Batteries			
Standard batteries	12V / 7Ah		
Back-up time	standard ≥10min (extendibility)		
W*D*H (mm)	65x151x94(overall height 100mm)		
Monitor manager &controller panel			
Testing interface of tem&hum	5		
RS485 interface	2		
RS232 interface	1		
Display screen	7 inch		
PDU			
Voltage detection range	AC100~250V		
Current detection range	0~30A		
Electrical degree	8 bit count, resolution of 0.1kWh, accuracy of level 1.5		
KVM			
Visual area	17inches		
Operating voltage	5V		
Cabinet			
Standard cabinet (mm)	600 × 1100 × 2000	1200 × 1100 × 2000	1800 × 1100 × 2000
Load - bearing (Kg)	1500		

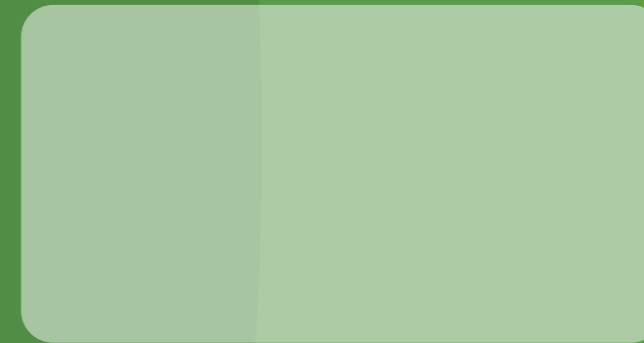
HAIRF®

Hairf Cabinet system



HAIRF®

Agent:



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Hairf micromodular Cabinet system hereinafter to be referred as HCS, its an integrative cabinet-type micro data center, which developed by Hairf according to the latest trend in global IT system development. Its built precision air condition, UPS, monitoring units,PDU,KVM in one cabinet or multi cabinets. The use of this system provides such advantages as : less construction investment of IT system, rapid deployment of core works, environmental friendliness and energy saving, etc.

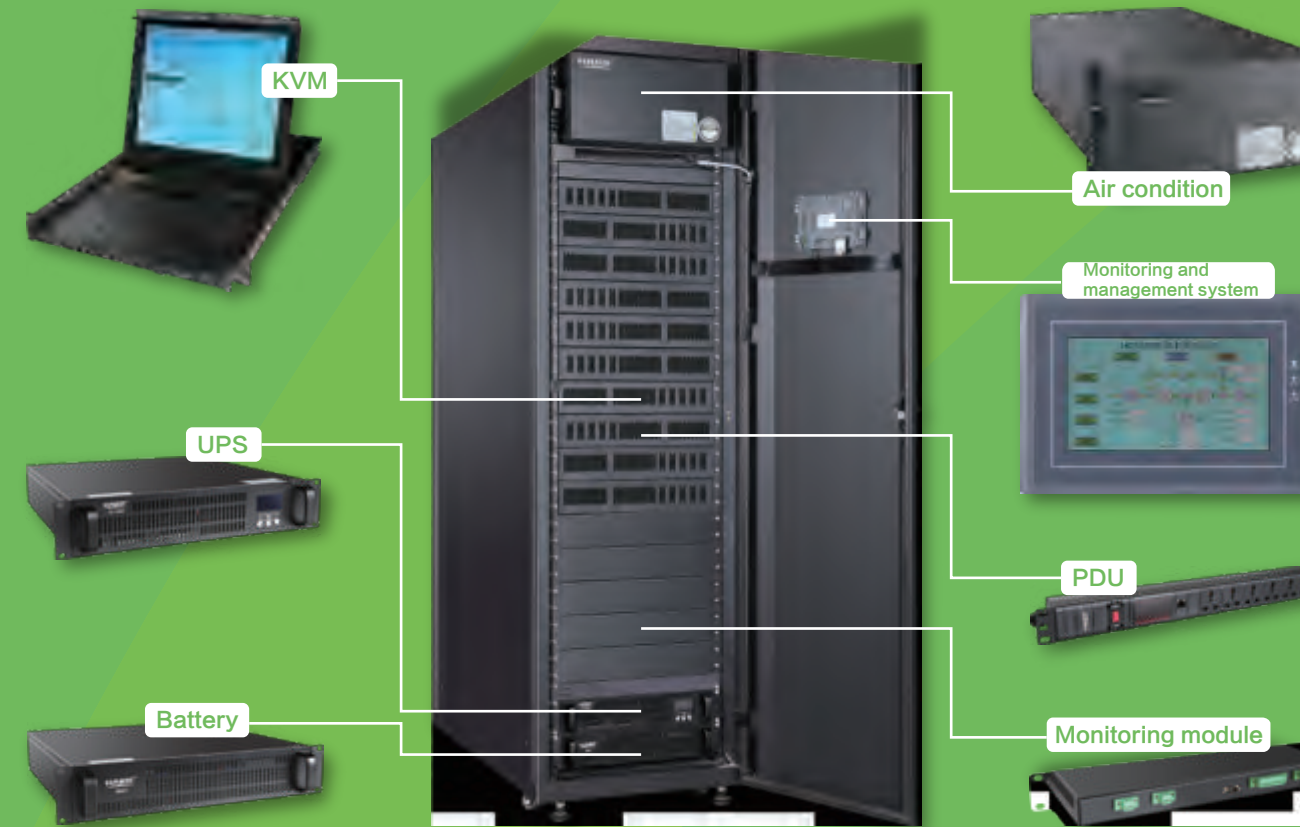
APPLICATIONS

Hairf HCS is applied to the management system of police station network, small and medium enterprises computer room, branch of large enterprises computer room, telecommunications selling area, bank network, gas station, computer room of railway communication station, computer room of highway toll collector station, etc, It provides one stop solution with the configuration of precision air condition, UPS, cabinet, monitoring units,PDU,KVM.etc.

DISPLAY INTERFACE

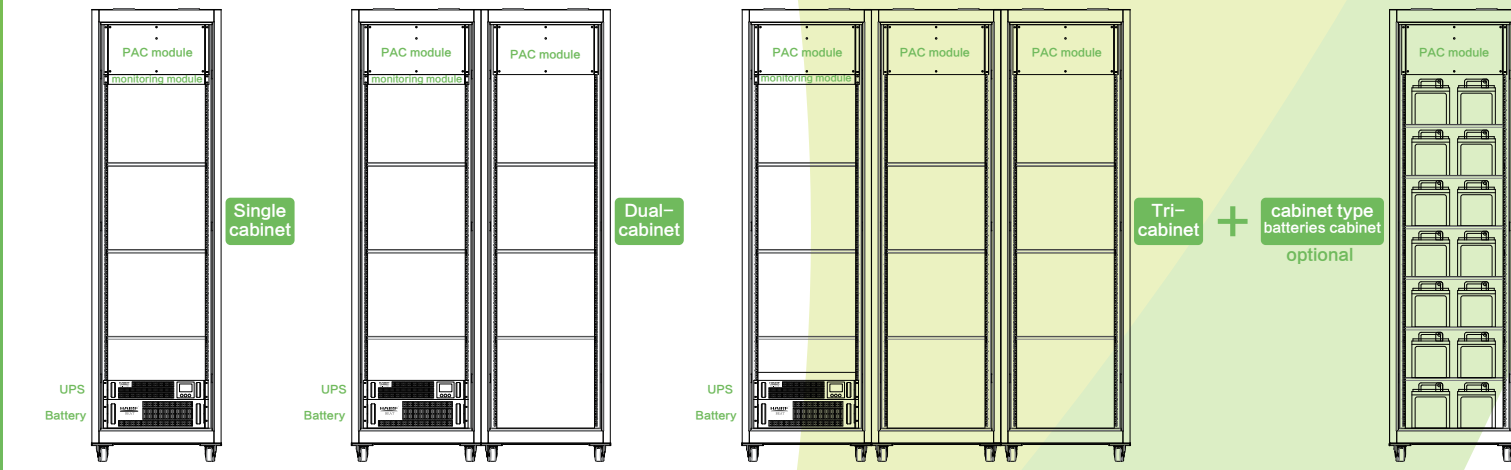


PRODUCT FEATURES



- High efficiency:efficient and energy – saving.
- Modularity:modular UPS+Battery,extendibility.
- Intelligence,visibility:intelligent design of monitoring&management system.
- Isolation of internal&external module,anti – dust and dehumidification.
- Rapid deployment:no need engineering survey,plug and play,facilitates the operation with one stop deployment.
- Environmental and energy management,Operation optimization,PUE maximum.
- Cloud computing: network connections management,parallel or multi network.
- Precision cooling system,energy–saving:Precision cooling,central air condition needless, cost reduction.
- Standard cabinet:standard aluminum frame structure EIA–310–D,easy installation within 5 minutes.
- All–In–One:integration of rack,air condition,UPS,PDU monitoring&on–site management system,etc.

APPLICATION PROJECTS



		HCS1000		HCS2000		HCS3000	
		Yes✓No✗	Quantity	Yes✓No✗	Quantity	Yes✓No✗	Quantity
1	PAC	✓	1	✓	2	✓	3
2	UPS	✓	1	✓	1	✓	1
3	Batteries	✓	1	✓	1	✓	1
4	PDU	✓	1	✓	2	✓	3
5	Monitoring module	✓	1	✓	1	✓	1
6	Display screen	✓	1	✓	1	✓	1
7	Cabinet	✓	1	✓	2	✓	3
8	KVM	Optional		Optional		Optional	

APPLICATION ADVANTAGES

- Quick build:cabinet type computer room,no engineering construction.
- Advanced configuration:configuration of multi abundance and reliability modules,working like a micro data center.
- Modularization extendibility:extend as its demand,less initial investment.
- Facilitates the management:remote monitoring and control system,allow a unified control and management of multi units in different area.
- Environmental friendliness and energy saving:built– in type cooling unit,regional cooling of the inside cabinet,more energy– saving by comparison with traditional air condition.
- Rapid after service:unified the energy infrastructure with Hairf brand,easily for compatible systems,and facilitates the maintenance.